Melody Anne de Laat

List of Publications by Year
in descending order

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63	1,508	331642	330122
papers	citations	21 h-index	37 g-index

65	65	65	485
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Demographic, morphologic, hormonal and metabolic factors associated with the rate of improvement from equine hyperinsulinaemia-associated laminitis. BMC Veterinary Research, 2022, 18, 49.	1.9	3
2	Identification of monoclonal antibodies suitable for blocking IGF-1 receptors in the horse. Domestic Animal Endocrinology, 2021, 74, 106510.	1.6	4
3	Effects of insulin on IGF-1 receptors in equine lamellar tissue inÂvitro. Domestic Animal Endocrinology, 2021, 74, 106530.	1.6	5
4	Glucagon-like peptide-1, insulin-like growth factor-1, and adiponectin in insulin-dysregulated ponies: effects of feeding a high nonstructural carbohydrate diet and association with prospective laminitis. Domestic Animal Endocrinology, 2020, 71, 106397.	1.6	5
5	Factors Affecting the Rate and Measurement of Feed Intake for a Cereal-Based Meal in Horses. Journal of Equine Veterinary Science, 2020, 84, 102869.	0.9	4
6	Drugâ€“polymer conjugates with dynamic cloud point temperatures based on poly(2-oxazoline) copolymers. Polymer Chemistry, 2020, 11, 5191-5199.	3.9	18
7	A review of recent developments in the pharmacological prevention and treatment of endocrinopathic laminitis. Animal Production Science, 2020, 60, 2111.	1.3	3
8	Differential Proteomic Expression of Equine Cardiac and Lamellar Tissue During Insulin-Induced Laminitis. Frontiers in Veterinary Science, 2020, 7, 308.	2.2	5
9	The effect of diet change and insulin dysregulation on the fecal microbiome of ponies. Journal of Experimental Biology, 2020, 223, .	1.7	4
10	Preliminary analysis of the FAM174A gene suggests it lacks a strong association with equine metabolic syndrome in ponies. Domestic Animal Endocrinology, 2020, 72, 106439.	1.6	5
11	Effects of an anti-IGF-1 receptor monoclonal antibody on laminitis induced by prolonged hyperinsulinaemia in Standardbred horses. PLoS ONE, 2020, 15, e0239261.	2.5	8
12	Endocrine and Metabolic Diseases. , 2020, , 1352-1420.e12.		0
13	Characterization of insulin and IGF-1 receptor binding in equine liver and lamellar tissue: implications for endocrinopathic laminitis. Domestic Animal Endocrinology, 2019, 66, 21-26.	1.6	13
14	The cresty neck score is an independent predictor of insulin dysregulation in ponies. PLoS ONE, 2019, 14, e0220203.	2.5	25
15	The effect of different grazing conditions on the insulin and incretin response to the oral glucose test in ponies. BMC Veterinary Research, 2019, 15, 345.	1.9	7
16	Ultrastructural examination of basement membrane pathology in horses with insulin-induced laminitis. Domestic Animal Endocrinology, 2019, 69, 30-34.	1.6	4
17	Incidence and risk factors for recurrence of endocrinopathic laminitis in horses. Journal of Veterinary Internal Medicine, 2019, 33, 1473-1482.	1.6	30
18	Phenotypic, hormonal, and clinical characteristics of equine endocrinopathic laminitis. Journal of Veterinary Internal Medicine, 2019, 33, 1456-1463.	1.6	28

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19	Science in brief: Progress in endocrinopathic laminitis research: Have we got a foothold?. Equine Veterinary Journal, 2019, 51, 141-142.	1.7	1
20	The efficacy and safety of velagliflozin over 16â€‰weeks as a treatment for insulin dysregulation in ponies. BMC Veterinary Research, 2019, 15, 65.	1.9	14
21	An investigation of the equine epidermal growth factor system during hyperinsulinemic laminitis. PLoS ONE, 2019, 14, e0225843.	2.5	0
22	Insulin and incretin responses to grazing in insulinâ€dysregulated and healthy ponies. Journal of Veterinary Internal Medicine, 2019, 33, 225-232.	1.6	22
23	A â€œmodified Obelâ€•method for the severity scoring of (endocrinopathic) equine laminitis. PeerJ, 2019, 7, e7084.	2.0	13
24	Glucagonâ€like peptideâ€2: A potential role in equine insulin dysregulation. Equine Veterinary Journal, 2018, 50, 842-847.	1.7	14
25	The oral glucose test predicts laminitis risk in ponies fed a diet high in nonstructural carbohydrates. Domestic Animal Endocrinology, 2018, 63, 1-9.	1.6	66
26	The sodium-glucose co-transporter 2 inhibitor velagliflozin reduces hyperinsulinemia and prevents laminitis in insulin-dysregulated ponies. PLoS ONE, 2018, 13, e0203655.	2.5	28
27	Re: Recommendations from the Australian and New Zealand Equine Endocrine Group and the interpretation of plasma endogenous ACTH concentrations for the diagnosis of pituitary pars intermedia dysfunction (PPID). Australian Veterinary Journal, 2018, 96, 319-319.	1.1	1
28	Sweet taste receptor inhibitors: Potential treatment for equine insulin dysregulation. PLoS ONE, 2018, 13, e0200070.	2.5	5
29	Equine pituitary pars intermedia dysfunction: current understanding and recommendations from the Australian and New Zealand Equine Endocrine Group. Australian Veterinary Journal, 2018, 96, 233-242.	1.1	17
30	Equine glucagon-like peptide-1 receptor physiology. PeerJ, 2018, 6, e4316.	2.0	12
31	The diagnosis of equine insulin dysregulation. Equine Veterinary Journal, 2017, 49, 570-576.	1.7	72
32	The repeatability of an oral glucose test in ponies. Equine Veterinary Journal, 2017, 49, 238-243.	1.7	37
33	The equine glucose-dependent insulinotropic polypeptide receptor: A potential therapeutic target for insulin dysregulation1. Journal of Animal Science, 2017, 95, 2509-2516.	0.5	6
34	The equine glucose-dependent insulinotropic polypeptide receptor: A potential therapeutic target for insulin dysregulation. Journal of Animal Science, 2017, 95, 2509.	0.5	4
35	The effect of oral and intravenous dextrose on C-peptide secretion in ponies1. Journal of Animal Science, 2016, 94, 574-580.	0.5	8
36	Prolonged hyperinsulinemia affects metabolic signal transduction markers in a tissue specific manner. Domestic Animal Endocrinology, 2016, 55, 41-45.	1.6	16

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37	Equine hyperinsulinemia: investigation of the enteroinsular axis during insulin dysregulation. American Journal of Physiology - Endocrinology and Metabolism, 2016, 310, E61-E72.	3.5	97
38	Sustained, Lowâ€Intensity Exercise Achieved by a Dynamic Feeding System Decreases Body Fat in Ponies. Journal of Veterinary Internal Medicine, 2016, 30, 1732-1738.	1.6	29
39	The impact of prolonged hyperinsulinaemia on glucose transport in equine skeletal muscle and digital lamellae. Equine Veterinary Journal, 2015, 47, 494-501.	1.7	16
40	AICAR administration affects glucose metabolism by upregulating the novel glucose transporter, GLUT8, in equine skeletal muscle. Veterinary Journal, 2015, 205, 381-386.	1.7	12
41	Hyperinsulinemia Down-Regulates TLR4 Expression in the Mammalian Heart. Frontiers in Endocrinology, 2014, 5, 120.	3.5	14
42	Toll-like receptor and pro-inflammatory cytokine expression during prolonged hyperinsulinaemia in horses: Implications for laminitis. Veterinary Immunology and Immunopathology, 2014, 157, 78-86.	1.2	19
43	Reining in equine metabolic syndrome: A gluttony of challenges. Veterinary Journal, 2013, 196, 141-142.	1.7	0
44	Histological and morphometric lesions in the pre-clinical, developmental phase of insulin-induced laminitis in Standardbred horses. Veterinary Journal, 2013, 195, 305-312.	1.7	52
45	A potential role for lamellar insulin-like growth factor-1 receptor in the pathogenesis of hyperinsulinaemic laminitis. Veterinary Journal, 2013, 197, 302-306.	1.7	53
46	The feral horse foot. Part A: observational study of the effect of environment on the morphometrics of the feet of 100 <scp>A</scp>ustralian feral horses. Australian Veterinary Journal, 2013, 91, 14-22.	1.1	16
47	Adaption of horses to a novel dynamic feeding system: Movement and behavioural responses. Equine Veterinary Journal, 2013, 45, 481-484.	1.7	6
48	The feral horse foot. Part <scp>B</scp>: radiographic, gross visual and histopathological parameters of foot health in 100 <scp>A</scp>ustralian feral horses. Australian Veterinary Journal, 2013, 91, 23-30.	1.1	13
49	Histopathological examination of chronic laminitis in Kaimanawa feral horses of New Zealand. New Zealand Veterinary Journal, 2012, 60, 285-289.	0.9	11
50	Effect of environmental conditions on degree of hoof wall hydration in horses. American Journal of Veterinary Research, 2012, 73, 435-438.	0.6	2
51	Advanced glycation endproducts in horses with insulin-induced laminitis. Veterinary Immunology and Immunopathology, 2012, 145, 395-401.	1.2	35
52	Continuous intravenous infusion of glucose induces endogenous hyperinsulinaemia and lamellar histopathology in Standardbred horses. Veterinary Journal, 2012, 191, 317-322.	1.7	75
53	Persistent digital hyperthermia over a 48h period does not induce laminitis in horses. Veterinary Journal, 2012, 192, 435-440.	1.7	10
54	The developmental and acute phases of insulin-induced laminitis involve minimal metalloproteinase activity. Veterinary Immunology and Immunopathology, 2011, 140, 275-281.	1.2	41

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55	Equine Laminitis: Comparative Histopathology 48 hours after Experimental Induction with Insulin or Alimentary Oligofructose in Standardbred Horses. Journal of Comparative Pathology, 2011, 145, 399-409.	0.4	68
56	Sole depth and weight-bearing characteristics of the palmar surface of the feet of feral horses and domestic Thoroughbreds. American Journal of Veterinary Research, 2011, 72, 727-735.	0.6	10
57	Evaluation of primary epidermal lamellar density in the forefeet of near-term fetal Australian feral and domesticated horses. American Journal of Veterinary Research, 2011, 72, 871-876.	0.6	4
58	Nutritional analysis of gastric contents and body condition score at a single time point in feral horses in Australia. American Journal of Veterinary Research, 2011, 72, 1226-1233.	0.6	6
59	Novel keratins identified by quantitative proteomic analysis as the major cytoskeletal proteins of equine (Equus caballus) hoof lamellar tissue1. Journal of Animal Science, 2010, 88, 3843-3855.	0.5	29
60	Equine laminitis: Induced by 48â€ƒh hyperinsulinaemia in Standardbred horses. Equine Veterinary Journal, 2010, 42, 129-135.	1.7	252
61	Morphometry and abnormalities of the feet of Kaimanawa feral horses in New Zealand. Australian Veterinary Journal, 2010, 88, 124-131.	1.1	29
62	Hyperinsulinemic Laminitis. Veterinary Clinics of North America Equine Practice, 2010, 26, 257-264.	0.7	24
63	Distances travelled by feral horses in â€˜outbackâ€™ Australia. Equine Veterinary Journal, 2010, 42, 582-586.	1.7	71